

What is claimed is:

1. A production method of an organic light emitting element comprising steps of:

forming each layer of a transparent electrode and a metal layer sequentially on a transparent substrate;

5 forming a first electrode composed of the transparent electrode and the metal layer;

removing the metal layer of an area corresponding to a pixel of the first electrode to expose the transparent electrode;

forming an organic layer to coat the exposed transparent electrode; and

forming a second electrode on the organic layer.

10

2. The production method of an organic light emitting element as defined in claim 1, wherein the metal layer is formed of a metal that can be etched selectively instead of the transparent electrode.

15 3. The production method of an organic light emitting element as defined in claim 1, wherein the metal layer is formed of a metal having a work function smaller than a work function of the material of the transparent electrode.

20 4. The production method of an organic light emitting element as defined in claim 1, further comprising a step of forming an insulating layer on an upper surface of the metal layer.

25 5. The production method of an organic light emitting element as defined in claim 1, wherein the step of removing the metal layer further comprises a step of forming the metal layer to be not more than $3\mu\text{m}$ thick at the pixel edge.

25

6. The production method of an organic light emitting element as defined in claim 1, wherein the step of removing the metal layer further comprises steps of providing the metal layer with a portion reducing in thickness toward the pixel edge, and forming at the pixel edge a stair of the metal layer on the transparent electrode so as to have a thickness not more than that of the organic layer.

30

7. The production method of an organic light emitting element as defined in claim 6, wherein

the portion thus reducing is a slanting surface having an angle of 30 or less degrees toward the pixel edge.

8. The production method of an organic light emitting element as defined in claim 6, wherein
5 the portion thus reducing is a stepped form that the thickness reduces gradually toward the pixel edge.

9. The production method of an organic light emitting element as defined in any one of claims
1 to 8, wherein the first electrode is a grid-shaped electrode separated electrically, and the step
10 of removing the metal layer further comprises a step of removing the metal layer in a form of strip so as to cross the grid-shaped electrode.

10. An organic light emitting element comprising:
a transparent electrode formed on a transparent substrate;
15 a metal layer formed removing an area corresponding to a pixel on the transparent electrode;
an organic layer coating the area corresponding to the pixel; and
a second layer formed on the organic layer.

20 11. The organic light emitting element as defined in claim 10, wherein an insulating layer is formed on the upper surface of the metal layer.

12. The organic light emitting element as defined in claim 10, wherein the metal layer is
provided with a portion reducing in thickness toward the pixel edge, and a stair of the metal
25 layer on the transparent electrode is formed at the pixel edge so as to have a thickness not more than that of the organic layer.

13. The organic light emitting element as defined in claim 12, wherein the portion thus
reducing is a slanting surface having an angle of 30 or less degrees toward the pixel edge.
30

14. The organic light emitting element as defined in claim 12, wherein the portion thus
reducing is a stepped form that the thickness reduces gradually toward the pixel edge.

15. The organic light emitting element as defined in any one of claims 10 to 14, wherein the transparent electrode is a grid-shaped electrode separated electrically.

5 16. An image forming device using the light emitting element defined in claim 15 as a light source thereof.

17. A display unit using the light emitting element defined in claim 15.